

CONCRETE PARAPET

**Most Already
Included in 460-3(C)**

(4-1-95)

1.0 GENERAL

~~This Special Provision shall govern materials, forming and all other related work in the construction of concrete parapet rails in accordance with applicable parts of the Standard Specifications, the details shown on the plans and as outlined in this Special Provision. Plans for the concrete parapet are detailed for cast in place concrete and slip formed parapet. Concrete for the parapet may be placed using either conventional forms or by the use of an approved self propelled extrusion machine.~~

2.0 CONSTRUCTION

~~A. Joints~~

~~Joints in the parapet shall be constructed at the locations and of the type specified on the plans.~~

~~B. Slip Forming~~

~~The extrusion machine proposed for use in placing the parapet rails shall be approved by the Engineer. The extrusion machine shall be self propelled and designed for the specific purpose of placing the concrete parapet without the use of forms. The parapet rails shall be placed to the established shape, line, grade and dimensions shown on the plans, except when slip formed, concrete corners may be radiused in lieu of the flat chamfers detailed.~~

460-3(C) ~~The extrusion machine shall consolidate the freshly placed concrete in one complete pass of the machine and~~ sufficient internal vibrators shall be provided for consolidating the concrete along the faces of forms and adjacent to joints. ~~This shall be accomplished in such a manner that a minimum of hand finishing will be required to produce a dense and homogeneous barrier free from voids and honeycomb.~~

~~The operations of mixing, delivering and placing the concrete shall be coordinated to provide uniform progress with stopping and starting of the extrusion machine held to a minimum.~~

~~Extreme care shall be taken in providing the concrete cover as shown on the plans over the vertical reinforcing bars.~~

~~When the plans are detailed for horizontal drains in the concrete parapet, couplings shall be used on the drains in slip forming the parapet.~~

~~C. A. Finishing~~

460-3(C) All exposed surfaces that are not satisfactory to the Engineer as to uniformity of color and texture or because of excessive patching shall be corrected as required by the

460-3(C)

~~The roadway face of the parapet constructed using conventional forms shall be given a Class II surface finish in accordance with the Standard Specifications and the roadway face for the slip formed parapet shall be given a broom finish.~~

3.0 MEASUREMENT

460-4(C)

~~The concrete parapets on this project are to be measured and paid for as linear feet of concrete parapet. All parapet quantities above the top of slab are to be included in the parapet item. Reinforcing Steel (including all steel projecting into the parapet, unless the structure is a cored slab bridge) and Class AA Concrete contained in the parapet are listed in a "Bill of Material for Concrete Parapet" on the plans, and no separate measurement or payment will be made for these quantities, unless otherwise noted on the plans.~~

~~The quantity to be paid for under this item shall be the actual number of linear feet of concrete parapet, complete in place and accepted, measured continuously along top surface of completed parapet from end to end without deductions for spaces between sections.~~

4.0 BASIS OF PAYMENT

460-5(D)

~~The quantity, measured as described above, will be paid for at the contract unit price per linear foot bid for "_____ x _____ Concrete Parapet", which price and payment shall be full compensation for all materials, admixtures, forms, falsework, curing, surface finish, tools, labor, equipment and incidentals necessary to complete the item.~~